



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Persson *et al.*

Serial No.: 10/720,492

Patent Pending

Filed: November 24, 2003

Group Art Unit: 2631

For: Method and Apparatus for DS-CDMA
Interference Suppression Using Code-Specific
Combining

Confirmation No.: 4554

MAIL STOP DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. 1.56, counsel wishes to make of record the attached items of information for the Examiner's consideration in connection with this application. This IDS is submitted before the first Office Action, and thus no fee should be due. Also enclosed is a form PTO-1449 for the Examiner's convenience in making such consideration of record. Inclusion herein of any particular item of information is not to be construed as an admission that same is prior art.

The Commissioner is hereby authorized to charge any fees that may be required or credit any overpayment to Deposit Account 18-1167.

Respectfully submitted,

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Date: March 5, 2004
File No.: 4015-5133

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Kathleen Koppen



FORM PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION PURSUANT TO
37 CFR §1.97 & 1.98**

Docket Number: 4015-5133	Serial Number: 10/720,492
Applicant: Fulghum et al.	
Filing Date: 11/24/03	Group:

U. S. PATENT DOCUMENTS

Examiner						Filing Date	
Initial	Patent No.	Date	Name	Class	Subcl	If Approp.	
A	6,363,104	2002	Bottomley				
B	6,026,115	2000	Higashi et al.				
C	5,983,105	1999	Stahle				
D	5,757,791	1998	Kanterakis et al.				
E	5,506,861	1996	Bottomley				

FOREIGN PATENT DOCUMENTS

							Translation	
	Patent No.	Date	Name		Class	Subcl	Yes	No
	WO 00/72459	2000	Aazhang, Behnaam					

OTHER DOCUMENTS (including author, title, date, pages, etc.)

A	Pub. No.: US 2002/0122470 A1, Pub. Date: Sep. 5, 2002, "Method and Apparatus for Providing Blink Adaptive Estimation and Reception," Heikkila.
B	D.M. Novaković and M. L. Dukić, "Multistage multiuser detector for DS-CDMA multipath fading channel," <i>Electronics Letters</i> , vol. 34, no. 11, 28 May 1998, pp. 1068-1070.
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E	S. Tantikovit and M.Z. Wang, "An optimum combining and concatenated-RAKE for dual-antenna mobile terminals in UMTS," <i>IEEE Commun. Letters</i> , vol. 6, pp. 231-233, June 2002.
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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to the applicant.